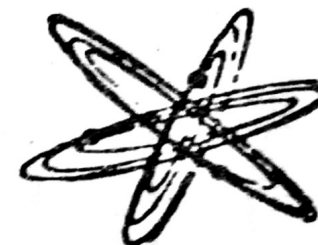


NUCLEAR



YIELD

REQUIREMENTS

VOLUME I

CONTAINS PAGES 1 THRU 146

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PART

I

TARGET

LISTING

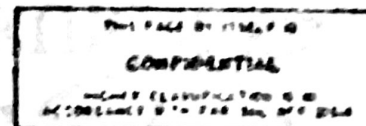
NUMERICAL

BY SACEUR NO.

TOP SECRET

NUCLEAR YIELD REQUIREMENTS MANUAL

FOREWORD



I. INTRODUCTION

The NUCLEAR YIELD REQUIREMENTS MANUAL contains a list of targets for which the probability of damage to each target has been computed for six Circular Probable Errors (CEP), and specific heights of burst. The probabilities of damage are computed for USAFE Theater stockpiled weapons as well as other yields. The DGZ information is based on confirmed intelligence and target graphics suitable for a weapons analysts.

There are three major parts to the NYR contained in two volumes.

Volume I -

Part I - Target listing, numerical by SACEUR No.

Part II - Desired Ground Zero (DGZ) Information, numerical by SACEUR No.

Volume II -

Part III - Target Damage Probabilities, numerical by SACEUR No.

This Manual will be published quarterly for the purpose of incorporating latest revisions and corrections.

II. METHODOLOGY

A. Analysis of Target

1. To determine the optimum positioning of the DGZ for various weapons, two factors are of major importance. These are to determine the selected target components, and to establish the damage criteria.

a. Selected Target Components. This is defined as that portion of a target which has been selected as the key component of the installation, and/or is essential to the operation of the facility. Damage or destruction to this component most nearly assures mission success. It may or may not encompass the entire target area. An installation may contain more than one component.

b. Damage Criteria. This describes the level and type of damage which is associated with each of the applicable VN's that appear in Part I of this manual, and represents the predicted damage which the selected component will incur. This damage is sufficient to establish mission success.

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Category	Tgt Component	Type Burst	DGZ Location	Predicted Damage
A. Airfield	Parked Aircraft and above ground facilities.	Contact (C) (O' HOB)	1. For hard surfaces the DGZ will be the center of the longest runway. When runways are intersecting and of equal operational significance, the DGZ may not always correspond to exact center. 2. Natural surface ctr of max run.	Severe damage: severe structural failure. Requires extensive depot level repairs and includes damage beyond repair. Severe structural damage to above ground facilities within the effective area of the weapon radius, and personnel casualties, as well as fallout effects.
		Contact (U) (O' HOB)	Single average pt based on dispersal of parked acft	Same as above
		Air (A) (900' scaled HOB)	Same as Contact (U)	Same as above w/exception of fallout effects.
"B & D" Railway and Highway Bridges	Bridge structures except concrete arch concrete heavy haunched concrete haunched, and masonry arch.	Air (A) (300' scaled HOB)	Center of overall length of bridge or center of most vulnerable spans.	For "P" (overpressure) types: severe cracking, rupture at crown of arch, and some displacement; For "Q" (dynamic pressure) types, failure by displacement, sliding off supports and serious cracking.
	All bridge types	Contact (C) (O' HOB)	Same as above	Same as above. Additional effect of residual contamination.

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Category	Tgt Component	Type Burst	DGZ Location	Predicted Damage
"C" Rail Facilities	Rolling stock	Contact (C) (0' HOB)	Center of widest trackage area.	Severe damage requiring replacement with possible exception of the trucks. Contents generally damaged beyond salvage point except heavy iron castings, or the like, and some fallout effects.
	Rolling stock	Air (A) (640' scaled HOB)	Single average point based on location of rolling stock to maximize blast damage.	Severe damage requiring replacement, with possible exception of trucks. Contents generally damaged beyond salvage point.
"E" Hq and Camps	Above ground buildings.	Air (A) (640' scaled HOB) Contact (C) (0' HOB)	Single average point based on location of buildings.	Severe structural damage to MS/WB buildings. Requires extensive repair before usable for any purpose. Severe damage to contents and to above ground facilities. Precludes operations until major repair or replacement is effected.
"F" Troop Concentrations. <u>Note:</u> On all "F" targets not annotated on Target Material, the probabilities of damage computations are based on a 10,000' radius measured from the DGZ.	Personnel & Structures	Contact (C) (0' HOB)	Center of troop concentration	Structural damage to buildings and dwellings, causing casualties due to blast effect, initial radiation. Bonus damage to material, equipment and supplies.
		Air (A) (640' scaled HOB)	Center of troop concentration	Same as above

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Category	Target Component	Type Burst	DGZ Location	Predicted Damage
"G" & "S" Ammo & Special Weapons Storage Sites	Above ground buildings and/or ordnance concrete igloos.	Contact (C) (O' HOB)	Single average point, based on location of storage structures	Severe structural damage to buildings and contents. Igloo arch will be forcefully collapsed.
	Same as above	HOB dependent upon applicable VV	Same as above	Same as above
"M" Waterways	Locks & Dams	Contact (C) (O' HOB)	Center of equivalent target area, page I-23 AFM 200-8.	Dam cracked & breached, locks obstructed and gates ruptured plus radiological effects.
"N" Port Areas	Shipyards, berthing and wharf areas.	Contact (C) (O' HOB)	Major berthing area to maximize damage to harbor facilities and fitting out areas.	Severe structural damage to harbor facilities, distortion of runways of overhead cranes, overturn gantry cranes. Damage to cruisers or small ships in berthing area requiring extensive repairs; prevents military use of ships.
		Air (A) (640' scaled HOB)	Same as above	Same as above

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Category	Tgt Component	Type Burst	DGZ Location	Predicted Damage
R Highway Intersections Note: Probabilities of damage computations are based on a 500' distance measured from the DGZ.	Buildings and Structures	Contact (C) (O' HOB)	Center of Intersection	Maximum blast to surrounding buildings or other structures to create rubble & debris which will block the road intersections. (Bonus of cratering and contamination.)
	Same as above	Air (A) (640' Scaled HOB)	Same as above	Same as above except no bonus of cratering and residual contamination.
1 Missile Sites	Missiles in launch condition	Contact (C) (O' HOB)	Center of missile launch site	Missile overturned and destroyed. For missiles in protective sites. Construction of floors and severe damage to missile due to ground shock.
	Same as above	HOB dependent upon appl VN	Same as above	Missile overturned and destroyed. For SAM Sites, damage to missile requiring depot repair.

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1. Bridge Targets.

a. The equivalent target area (ETA) concept is used to compute the probability of collapsing at least one span of a bridge. The ETA is a rectangular area about the center of the bridge and the dimensions are based on AFM 200-8, involving length, width, and vulnerability. The vulnerability of the bridge is dependent upon the type which most nearly describes the construction of the principal structural members or spans. In some instances a bridge was categorized and identified as a combination highway and railroad bridge (BD), but was listed in the manual as one bridge. In this case the least vulnerable type, either B or D, was used for DGZ selection and analysis.

D. Explanatory Notes for Abbreviated Column Entries

1. Country Code. This is the same as that used in the Target Data Inventory (TDI).

2. Type. Refers to airfields and bridges, type of construction.

a. Airfield Types. Runway surfaces are categorized by the code "P", "T", or "N", and are followed by a number indicating type as listed below:

1)P - Permanent:

1. - Concrete

2. - Asphalt or tar-mac.

3. - Concrete ends, center asphalt or tar-mac.

4. - Brick (mortared)

5. - Coral (maintained)

Blank - Unknown

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4. Minimum Character Grid represents the grid reading from the applicable Target Graphic.

5. Spheroids

INT - International

CLK - Clark

BES - Bessel

6. PV Analysis Reference represents the target material from which the DGZ coordinates are extracted, and does not necessarily represent the source on which the PV analysis is based.

7. Datum

E - European

P - Pulkovo

8. Type Bursts. For all targets, insofar as weapons effects are concerned, only two types of bursts are employed: the air burst (A), and the surface burst (indicated as Contact (C)). To reflect as many possible situations covering the entire range of analysis, additional bursts were located and it was necessary to use additional letters to designate these. The following burst designations by target category in Parts II and III are used:

a. Standard analysis by category.

1) Airfields:

A - Air Burst

C - Contact Burst (center of runway)

U - Optimum Contact Burst (when center of runway was not optimum point for overall damage).

2) Bridges:

A - Air Burst

C - Contact Burst

3) Rail Facilities:

A - Air Burst

C - Contact Burst

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4) Air Control Centers and Headquarters & Camps:

- A - Air Burst
- C - Contact Burst

5) Ports:

- A - Air Burst
- C - Contact Burst

6) Waterways:

- C - Contact Burst

7) Missile Sites:

- A - Air Burst
- C - Contact Burst

8) Highway Intersections:

- A - Air Burst
- C - Contact Burst

9) Troop Concentrations:

- A - Air Burst
- C - Contact Burst

10) Ammo and Special Weapons Storage Sites:

- A - Air Burst
- C - Contact Burst

b. Remote Areas. For any targets having remote areas such as dispersal areas, etc., that are an integral part of the target but removed from the major part, additional bursts were used and are designated as follows:

- J - Air Burst
- K - Contact Burst

c. All Targets. For targets requiring an additional contact burst, K has been used and designated as a second contact burst. This burst is primarily reflected in a few instances for airfields having multiple runways of operational significance (3000 or more) and ports because of relative large size.

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COUNTRY CODES

Alphabetical

AD - Aden, Khamran & Perim Is

AF - Afghanistan

AL - ALBANIA

AG - Algeria

AN - Andorra

AO - Angola, incl. Cabinda

AS - Australian New Guinea

AU - AUSTRIA

AZ - Azores Islands

BA - Bahrain Island

BI - Balearic Islands

BC - Belgian Congo, incl. Ruanda-
Urunda Trust Terr.

BE - Belgium

BH - Bornholm Island

BU - BULGARIA

BM - Burma

CM - Cameroun (French Trust Terr.)

CA - Canary Islands

CV - Cape Verde Islands

CE - Ceylon and Maldiva Islands

CH - China

CR - Crete

CY - Cyprus

CZ - CZECHOSLOVAKIA

DE - Denmark

DO - Dodecanese Islands & Rhodes

EG - Egypt

ER - Eritrea

ET - Ethiopia (Abyssinia)

FI - FINLAND

FR - France

FE - French Equatorial Africa (Gavon,
Middle Congo, Ubangi-Shari & Chad)

FN - French India

SF - French Somaliland

FW - French West Africa

GA - Gambia

GE - GERMANY, EAST

GW - GERMANY, WEST

GH - Ghana (Gold Coast)

GI - Gibraltar

GO - Gotland Islands

GR - GREECE

HK - Hong Kong

HU - HUNGARY

IL - Iceland

IN - India

VN - Indo-China

ID - Indonesia

IR - Iran

IQ - Iraq

IS - Israel and Jerusalem

IT - ITALY

JA - Japan

JO - Jordan

KE - Kenya

KN - Korea, North

KS - Korea, South

KU - Kuwait, Muscat, Oman
Qatar, Trucial Oman &
Neutral Zones

LE - Lebanon

LI - Liberia

LY - Libya

LS - Liechtenstein

LX - Luxembourg

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COUNTRY CODES (CONT.)

MA - Madagascar, incl. Comoros
and Mayotte Islands
MD - Madeira Islands
MF - Malay Fed. and Singapore
ML - Malta
MN - Monaco
MO - Morocco, incl. Intl. Zone
of Tangier
MZ - Mozambique (Portuguese E.
Africa)
NE - NETHERLANDS
NG - Netherlands Territory in
the East Indies, not incl.
Indonesia
NC - New Caledonia
NI - Nigeria and Cameroons
(British Trust Terr.)
NO - North Borneo
NR - Northern Rhodesia
NO - NORWAY
PK - Pakistan
PI - Philippine Islands
PO - POLAND
PT - Portugal

PG - Portuguese India
RU - RUMANIA
BO - Sarawak
SD - Sardinia
SA - Saudi Arabia
SI - Sicily and Pantelleria
SL - Sierra Leone
SR - Southern Rhodesia
SP - Spain
SU - Sudan, Republic of the
SV - Svalbard (Spitsbergen)
SW - Sweden
SZ - Switzerland
SY - Syria
TW - Taiwan (Formosa) and
Penghu (Pescadores)
TA - Tanganyika Territory
TH - Thailand
TU - Tunisia
TK - TURKEY
UA - Union of South Africa
UR - U. S. S. R.
YU - YUGOSLAVIA

NO - NORWAY	1400	1800	2400	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000	8400	8800	9200	9600	10000
PK - Pakistan	1400	1800	2400	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000	8400	8800	9200	9600	10000
PI - Philippine Islands	1400	1800	2400	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000	8400	8800	9200	9600	10000
PO - POLAND	1400	1800	2400	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000	8400	8800	9200	9600	10000
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SPECIAL NOTES

A few targets appearing in Sections A and Section A1 of Part I do not have physical vulnerability information in Parts II and III. This is due to lack of intelligence and/or adequate target materials. As this information becomes available, these targets will be analyzed and included in subsequent revisions of the NTR.

SCALED HOB TO ACTUAL HOB CHART

Scaled HOB	YIELDS															
	2.5	6.0	9.0	10.0	11.5	28.0	33.0	40.0	47.0	60.0	65.0	100.0	300.0	350.0	1.1 M	1.4 M
0'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300'	400	545	620	650	775	900	960	1050	1100	1200	1250	1400	2000	2100	3000	3300
640'	875	1200	1400	1450	1650	2000	2050	2200	2400	2500	2600	3000	4400	4500	6500	7000
900'	1250	1600	1900	2000	2400	2800	2950	3100	3300	3500	3600	4200	6000	6400	9000	10,000

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TARGET NO.	O.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN		COUNTRY CODE	TYPE	DES. OF TGT.	
	TAC CHART	TARGET		REG. SQUARE	REG. NO.					LENGTH IN FEET	WIDTH IN FEET
0140A	0102	08623	SEGEZHA	6334	001	11	02	UR	N1	4380	670
0141A	0091	08632	TIKSHOZERO	6431	002	11	02	UR	*2	4000	270
0142A	0091		PONTSALenyOKI	6530		11	02	UR		4400	
0143A	0091	08626	OZERO TARVAYARVI	6530		11	02	UR	P1	3280	240
0144A	0168	08645	PALANGA	6541	027	11	02	UR	P	6560	400
0145A	0153		LUGA GONDOLITS	6629		11	02	UR	N1	3750	2145
0146A	0091	08609	KONDUGHA	6731	002	11	02	UR			
0147A	0091	08624	OZERO IDEL	6433	001	11	02	UR	N1	3400	450
0148A	0168	08686	KARMELAVA	6424	016	11	02	UR	P1	6300	180
0149A	0153	08046	LEBYAZHYE MAL GORKA	5929		11	02	UR	P	3300	110
0150A	0153	08105	MOMJUSTE	5822	015	11	02	UR	P	6000	260
0151A	0153		TALLINN/NEHAYU	5924		11	02	UR			
0152A	0051	08634	OLENYA	6433	021	11	02	UR	P1		260
0153A	0051	08615	KULP YAYR	6932	002	11	02	UR	P1	9600	260
0154A	0091	08602	ALAKURTTI	6630	001	11	02	UR	P1	6600	200
0155A	0051	08616	PECHENGA	6930	008	11	02	UR	P2	6400	200
0156A	0051	08628	MURMANSK NORTHEAST	6933	011	11	02	UR	P1	6375	260
0157A	0103	08613	HEMPETI	6048	008	11	02	UR	P2	6600	160
0158A	0092	08009	YOKANGA	6739	002	11	02	UR	P	6600	200
0159A	0102	08020	PETROZAVODSK NW	6134	001	11	02	UR	P1	6600	260
0161A	0153	08092	KUUSIKU	5824	003	11	02	UR	P1	6600	200
0162A	0153	08107	SIVERSKIY	5930	013	11	02	UR	P	7200	200
0163A	0103	08606	LENINGRAD LEVASHOVO	6030	003	11	02	UR	P2	6000	200
0164A	0153	08051	LENINGRAD GORELOVO	5930	008	11	02	UR	P1	8200	200
0165A	0103	08614	SAKKOLA	6030	012	11	02	UR	P1	8630	200
0166A	0103	08610	SEVYASTYE	6029		11	02	UR	P1	8500	250
0167A	0103	08621	VYBOG'E	6029	005	11	02	UR	P1	6600	200
0168A	0103	08605	LENINGRAD KASIMOV	6030	001	11	02	UR	P1	7200	200
0169A	0153	08029	DEL GAVA	5623	004	11	02	UR	P1	6600	200
0172A	0153	08004	RIGA SKIROTOVA	5624	004	11	02	UR	P1	6500	200
0173A	0103	08602	LENINGRAD GORSKAYA	6030	010	11	02	UR	P2	3600	300
0174A	0103	08609	LENINGRAD UGLOVO	6030	005	11	02	UR	P1	4000	200
0225A	0103	08428	HELSINKI AIRPORT	6024	019	11	02	FI	P2	6560	195
0226A	0103	08216	LUONETJARVI JYVASKYL	6225	008	11	02	FI	P1	6560	200
0227A	0103	08629	TURVU RISSA	6022	015	11	02	FI	P2	5900	200
0228A	0103	08223	PORI	6121	004	11	02	FI	P2	5900	200
0229A	0091	08210	OULU AIRPORT	6425	004	11	02	FI	P2	6560	200
0230A	0103	08201	HELSINKI NALMI	6025	006	11	02	FI	P1	4598	100
0231A	0103	08210	KUOPIO RISSALA	6327	005	11	02	FI	P2	8200	200
0232A	0103	08230	TAMPERE	6123	012	11	02	FI	T4	7100	2600

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ID	J.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN		COUNTRY CODE	TYPE	OEL OF-107	
	CAS. CHART	TARGET		DES. SQUARE	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
0233A	0091	08203	KEMI	6524	014	11	02	FI	F2	6500	196
0234A	0091	08202	KUJANI	6427	004	11	02	FI	F2	5477	197
0235A	0091	08206	ROYANIEMI	6625	007	11	02	FI	F2	6390	196
0236A	0103	08232	UTTI	6046	016	11	02	FI	F2	5480	200
0237A	0103	08205	JOENSUU/ONTTALA	6224	004	11	02	FI	F2	6740	194
0238A	0103	08233	VAASAKRUVSON	6321	003	11	02	FI	F2	5400	200
0239A	0051	08203	IVALO	6827	002	11	02	FI	F2	4595	196
0240A	0103	08214	LAPPEENRANTA	6128	006	11	02	FI	F2	5250	195
0241A	0103	08207	KAUHA	6323	006	11	02	FI	F1	5000	120
0242A	0103	08229	SIIRAKANGAS	6124		11	02	FI	P	7100	200
0251A	0169	00335	HALTIYSK	5419	008	16	PO	UR		5000	5000
0252A	0169	00408	SWINOUSSIL	5314	014	16	PO	PO		20000	4000
0253A	0169	00059	LIEPAJA	5620	001	16	PO	UR			
0254A	0169	00473	BARSEMUNCE	5412	019	16	PO	GE			
0255A	0169	00334	KALININGRAD	5420	004	11	02	UR		1700	300
0256A	0169	00078	LENINGRAD	5930		13	UR	UR			
0257A	0169	00162	KLAIPEDA	5521	001	16	PO	UR			
0258A	0169	00160	VENTSPILS	5721	001	16	PO	UR		23000	9000
0259A	0119	00082	GDYNIA	5418	004	16	PO	PO			
0260A	0119	00412	KRONSTADT	5929		16	PO	UR			
0261A	0119	00471	ROSTOCK	5412	014	16	PO	GE			
0262A	0170	00500	WISMAR	5311	005	16	PO	GE		8250	4600
0263A	0169	00470	STRALSUND	5413	003	16	PO	GE		7760	4120
0264A	0169	00472	SASSNITZ	5413	010	16	PO	GE		5000	1400
0265A	0169	00316	GOENSE	5418	019	16	PO	PO			
0266A	0169	00318	KOLBENZ	5415	003	16	PO	PO			
0267A	0169	00023	RIGA	5413		16	PO	UR			
0268A	0169	00408	LORONOSOV	5929		16	PO	UR			
0269A	0169	01674	MEL	5418		16	PO	PO		5000	1400
0270A	0092	00061	SEVYDOINSK	6439		22	PO	UR			
0271A	0051	00122	MURMANSK	6933	005	16	PO	UR			
0272A	0051	00017	ROSTA	6933	025	16	PO	UR		8000	2000
0273A	0051	00007	POLYARNYY	6933	008	16	PO	UR			
0274A	0051	00092	PECHENGA LITAKHANG	6931		16	PO	UR		3500	1000
0275A	0051	00156	SAYDA GUBA	6933		22	PO	UR		4500	3600
0276A	0051	00153	OLENYA GUBA SUB BASE	6933	028	22	PO	PO			
0277A	0051	00054	YOKANGA	6839	001	16	PO	UR		6000	1500
0278A	0162	00029	NADVOYTSY LOCK	6334		67	PO	UR			
0279A	0162	00040	PARANOVA	6334		67	PO	UR		1000	50
0280A	0170		LUDWIGSLUST	5311		13	OS	GE			

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TARGET NO.	S.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VH		COUNTRY CODE	TYPE	DES. OF TGT.	
	TAC CHART	TARGET		DES. SQUAD	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
0242CEH	0170		SCHWERIN	5311				GE			
0263CR	0170		BAD KLEINEN	5311		13	05	GE			
0294C	0170	01096	WISMAR	5311		13	05	GE		3146	687
0285CEH	0170		PARCHIM	5311		13	05	GE			
0284CR	0169		KAROW	5312				GE			
0288CHG	0169		HOSTOCK	5412				GE			
0289CNR	0169		GREIFSWALD	5413				GE			
0290CLH	0169		NEUBRANDENBURG	5313		13	05	GE			
0291EGR	0169		NEUSTRELITZ	5313		21	P0	GE			
0292EGR	0169		PASEWALK	5314		21	P2	GE			
0294BD	0051	00215	MURHASHI	6832		19	G9	UR			
0296BD	0091	00041	KEMI	6824	003	23	06	FI	E	1200	30
0297BD	0091	00042	ROVANIEMI	6829	002	19	09	FI	O	970	39
0298R	0091		SODANKYLÄ	6727		12	P2	FI			
0299R	0051		IVALO	6827		12	P2	FI			
0300D	0091	00105	KALKKONEN	6754		49	P6	FI	A	150	21
0301N	0092	00006	ARCHANGELSK	6440		18	P0	UR		13200	
0302N	0051	00161	TERIBERKA	6935		22	P0	UR			
0303N	0091	00004	BELOMORSK	6434		18	P0	UR			
0304BD	0169	00508	SZCZECIN	5316		19	U4	PO	R	765	45
0681C	0170	01106	SCHWERIN	5311		12	P2	GE			
0682E	0170	01105	SCHWERIN	5311		12	P2	GE			
0683E	0170	01681	HAGENOW	5311		2	P2	GE			
0684E	0170	01094	WISMAR	5311		10	P0	GE		2000	1500
0685EG	0169	00200	GUSTROT	5312		21	P0	GE		7700	8400
0686D	0170		PANPRIN	5310		21	06	GE	F	500	
0689D	0170		WICKENDORF	5311		21	06	GE	F	2050	
069CR	0170		KRITZOWBURG	5311		12	P2	GE			
0711C	0170		GREVESMÜHLEN	5311		13	05	GE		1500	125
0712C	0170		GADEBUSCH	5311		13	05	GE		1700	300
0713C	0170	00960	HAGENOW	5311	010	13	05	GE		4300	400
0715D	0170	01575	SELMSDOORF	5310				GE			
0716D	0170		LUDERSDOORF	5310				GE			
0718D	0170		ZARRENTIN	5310				GE			
0726N	0170	00391	MOLTENAU LEVENSAU	5410	008	51	P0	GW		1300	1300
0727BD	0170	00206	RENDSBURG	5409	017	19	09	GW	O	550	27
0728BD	0170	00204	GRUNENTHAL	5409	010	27	09	GW	J	400	40
0729N	0170	00390	BRUNSBUTTELKOON	5319	043	51	P0	GW		2450	1500
0730D	0170	01620	KAPPELN	5409		22	08	GW	J	900	
0731BD	0170	00212	LAUENBURG	5310	029	22	09	GW	L	1700	80

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REF	TAC TARGET		TARGET NAME	TAC TARGET NO.		VN		COUNTRY CODE	TYPE	ACR. ST. YCT.	
	TAC	TARGET		SEQ. NO.	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
07102	0170		SCHLESWIG	5409		12	P2	GE			
07108	0170	01741	KIEL	5410		12	P2	GE		525	225
07109	0170		NEUMUNSTER	5409		12	P2	GE			
07109	0170		ITZHOE	5309		12	P2	GE			
07408			FLENSBURG	5409		12	P2	GE			
07411			LUBECK	5310		12	P2	GE			
10008	0231		HEILIGENSTADT	5110	080	12	P2	GE			40
10010	0231		ADENHAUSEN	5109		49	P0	GE	A	100	
10020	0231		DIETZENRODE	5110		44	P0	GE	B	50	
10038	0231		WOHNBIS	5110		12	P2	GE			
10048	0231	06796	DINGLSTADT	5110		12	P2	GE			
10058	0170		WEFERLINGEN RD CTR	5211		12	P4	GE			
10060	0170	01337	HELMSTEDT	5211		38	P0	GE	C	536	20
10070	0170		HANERSLEBEN RD CTR	5211		12	P2	GE			
10089	0170		HEBSEN	5210		12	P2	GE			
10090	0231		OSTERWIECK	5110		12	P2	GE			
10107	0170		LEITZLINGER HEIDE	5211		12	P2	GE			
10117	0170		SCHERNEBECK	5211		12	P2	GE			
10125	0170		NEUENHOFE	5211		12	P2	GE			
10137	0170		KLOTZE	5211		12	P2	GE			
10147	0170		FLECHTINGEN	5211		12	P4	GE			
10158	0231		HUELAND	5110		12	P2	GE			
10165	0231		HASSELFELDE	5113		12	P2	GE			
10176	0231		NETZKATZ	5113		12	P2	GE			
10188	0231		HOLBACH	5113		12	P2	GE			
10198	0231		PUSTLEBEN	5113		12	P2	GE			
10202	0170		DIESDORF	5210		12	P2	GE			
10208	0170		WONGBURG	5111		12	P2	GE			
10218	0170		LUDWIGSLUST	5311		12	P2	GE			
10338	0170		GRITZIER	5311		12	P2	GE			
10367	0170		LUTHEN	5311		12	P2	GE			
10407	0170		LUDWIGSLUST	5311		12	P2	GE			
10607	0169		NEUSTRELITZ II	5213		12	P2	GE			
107080	0170	00148	WITTENBERGE	5211	008	19	09	GE	G	2540	35
10708	0169	00638	SCHONHAUSEN	5218	006	19	09	GE	R	2660	30
10730	0170	00595	TANGERMUNDE	5211	008	19	09	GE	G	2740	30
10760	0170	00085	HOFENWARTHE	5211	030	19	09	GE	G	1280	80
10788	0170	00738	SCHONEBECK	5211	034	19	09	GE	G	2200	85
10808	0231	00576	BARBY	5111	005	19	09	GE	R	2475	25
10918	0231	04212	CALBE (GRIZENHE)	5111	050	22	08	GE	J	1300	35

TAC. TARGET NO.	VH	COUNTRY CODE	TYPE	REL. OF TGT.	
				LENGTH IN FEET	WIDTH IN FEET
TAC. TARGET NO.	VH	COUNTRY CODE	TYPE	LENGTH IN FEET	WIDTH IN FEET
1211C	0169-01016	NELSEN		5800	700
1212C	0169-01569	MUSTERHARK		12000	1500
1213C	0169-01781	PRITZWALK		3000	350
1214C	0169-01420	KONIGS MUSTERHAUSEN		4500	400
1215C	0169-01162	PASEWALK		3950	1000
1216C	0169	TEMPLIN		3250	300
1217C	0169	WRIEZEN		5500	500
1218C	0169-01780	FURSTENBERG		6400	
1219C	0169-00511	NEUSEE (KESSELING)		12500	800
1220C	0231	UCKRO		1200	200
1221C	0169-00242	STOZECIN (STETTIN)		600	34
1222C	0169-00248	DANIELA (DAMM)		660	33
1223C	0169-00375	RETOUSELLE		840	80
1224C	0169-00252	GRYFINOK GREIFENHAGEN		820	46
1225C	0169-00250	SCHWEDT		750	35
1226C	0169-00293	OSINOW DOLNY HOHENAU		700	33
1227C	0169-00291	STIKIERI ZACKERICK		2500	35
1228C	0169-00238	KOSTRZYN			
1229C	0169	FRANKFURT			
1230C	0169-00246	FRANKFURT			
1231C	0170-00212	LAUBURG		800	30
1232C	0169-00634	STARGARD		1700	50
1233C	0169-02238	KLUCEWOCKLUTZOW		8000	1700
1234C	0231	BERNBURG			
1235C	0231	BERNBURG CNTR HWY BR			
1236C	0231-02540	HALLE		350	40
1237C	0231-02538	HALLE SW		360	60
1238C	0170	BOITZENBURG HWY INT		660	30
1239C	0170	SALZWEDEL RD CTR			
1240C	0170	ARENSEE			
1241C	0170	DAHRE			
1242C	0170	CALBE HWY INT			
1243C	0170	GARDELEGEN RD CTR			
1244C	0170	NIESTERHOFST			
1245C	0170	BUCHHOFST			
1246C	0170	RATZLINGEN HWY INT			
1247C	0170	CALVORDE HWY INT			
1248C	0170	ERKLEBEN HWY INT			
1249C	0170	SEEHUSEN HWY INT			
1250C	0231	STAPELBERG			

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TARGET NO.	R.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN		COUNTRY CODE	TYPE	REL. OF TGT.	
	BAC CHART	TARGET		REL. SQUARE	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
1316Q	0231		FLEND	5110		12	P2	GE			
1316R	0231		ELLRICH	5110		12	P2	GE			
1317R	0231		ZWINGE	5110		12	P2	GE			
1318R	0231		HACKENRODE	5110		12	P2	GE			
1319Q	0231		ECKLINGERCOL	5110		12	P2	GE			
1320Q	0231		LEITOE <LEINEFELDE>	5110		12	P2	GE			
1321R	0231		UDER	5110		12	P2	GE			
1322R	0231		EIGENRIEDEN	5110		12	P2	GE			
1323R	0231		SONDERSHAUSEN	5110		12	P2	GE			
1326R	0231		BLANKENBURG RD CTR	5110		12	P2	GE			
1329Q	0170	01583	BRAUNSCHWEIG<WENDEN>	5210	003	22	08	GW	J	290	80
1370R	0170		HAMELERWALD	5210		12	P2	GE			
1331D	0231	00832	LIEPOLDHAUSEN	5109	084	22	08	GE	J	1400	72
1400R	0231		NORDHAUSEN	5110		12	P2	GE			
1402R	0231		HALBERSTADT	5111		12	P2	GE			
1404R	0231		BLANKENBURG	5110		12	P2	GE			
1405R	0231		SANGERHAUSEN NR CTR	5111		12	P2	GE			
1406R	0231		SONDERHAUSEN	5110		12	P2	GE			
2400R	0231	06809	EISENACH SW	5010		12	P2	GE			
2401D	0231		EISENACH NE	5010		12	P2	GE			
2402D	0231		EICHRODT	5010		12	P2	GE			
2405R	0231		CESKA KUBICE HWY INT	4912		12	P2	CZ			
2406F	0231		WEININGEN	5010		12	P2	GE			
2506F	0231		GERSTUNGEN	5010		12	P2	GE			
2507F	0231		GIESA	5009		12	P2	GE			
2508F	0231		KALTENSUNDHEIM	5010		12	P2	GE			
2509F	0231		HIRSCHBERG	5011		12	P2	GE			
2511R	0231		WEINIG HWY INT	5010		12	P2	GE			
2512Y	0231		EISENACH CC & TRPS	5010		12	P2	GE			
2513D	0231		GOTHA	5010				GE			
2515CR	0231		SUHL	5010				GE			
2519HR	0231		ZELEZNA RUDA	4913				CZ			
3420R	0232	01012	ZILINA	4918	008	19	09	CZ	R	370	15
3422C	0232	00859	BRECLAV	4816	001	13	05	CZ		9300	900
3423R	0232	00448	HLOHOVEC	4817	007	19	09	CZ	R	930	15
3424D	0232	01662	SINTAVA	4817	007	19	09	CZ	O	930	25
3425R	0232	00455	SALA	4817	006	22	09	CZ	K	1490	20
3427BD	0232	00421	BRATISLAVA	4817	005			CZ	O	1390	25

TARGET NO.	S.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN		COUNTRY CODE		DES. OF TGT.	
	SAC CHART	TARGET		SEQ. NO.	SEQ. NO.				TYPE	LENGTH IN FEET	WIDTH IN FEET
34808	0231	01301	DECIN	5014	017	19	09	CZ	R	810	20
34810	0231	01549	DECIN	5014	021	19	09	CZ	R	800	48
34828	0231	01304	DECIN SEPODMOKLY	5014	022	19	09	CZ	R	840	16
34830	0231	02855	CESKA LIPA	5014	024	13	05	CZ		5200	900
34840	0231	02848	LIBEREK	5015	006	13	05	CZ		8000	1000
34848	0231	00728	USTI NAD LABEM STRKY	5014	014	19	09	CZ	R	820	14
34868	0231	00812	LITOMERICE	5014	019	19	09	CZ	R	1100	20
34870	0231	01444	BRANDYS NAD LABEM	5014	023	21	06	GE	F	600	30
34888	0231	00729	CELAKOVICE	5014	034	19	09	CZ	R	545	35
34900	0231	01267	NYMBURK	5015	001	13	05	CZ		8500	1600
34910	0231	01002	PODEBRADY	5015	001	19	09	CZ	S	328	36
34920	0231	00249	KOLIN	5015	002	13	05	CZ		11000	750
34930	0231	00819	KOLIN	5015	002	29	08	CZ	G	600	42
34948	0231	01538	PARDUBICE	5015	001	19	09	CZ	R	510	30
34950	0231	01437	PARDUBICE	5015	010	20	09	CZ	P	320	25
34968	0231	00713	JAROMER	5015	004	22	09	CZ	L	460	19
35080	0232	00686	STEINAU	5116				PO	OR		
35018	0231	02292	MIRSCHBERG	5015	009	29	08	PO	G	568	30
35028	0232	00689	BRESLAU WROCLAW	5117	010	19	09	PO	R	1493	22
35030	0232	00748	BROKAW WROCLAW	5117	034	13	05	PO		11525	1000
35100	0232	00729	OSTRAVA	4918	014	19	09	CZ	S	295	40
35110	0232	00550	PREROV	4917	001	13	05	CZ		10600	1100
35128X	0232	00443	OLOMOUK	4917				CZ			
35138	0232	01327	HRANICE W	4917	014	45	PO	CZ	A	1300	30
35148	0232	01595	MORAVICANY	4916	023	22	09	CZ	K	350	20
35148C	0232	02163	HEYDEBREK KEDZIERZYN	5018				PO			
35168	0232	00720	RATIBOR RACIBORZ	5018	002	19	09	PO	R	310	30
35170	0232	02019	CESKY TESIN	4918	010	13	05	CZ		7800	780
35208CD			GOSCHWITZ	5011				GE			
35238C	0231		BAD MÜLZA GROSSHRINGH	5111				GE			
35248DC			NEUMBERG	5111				GE			
35250	0231	01707	WEISSENFELS E	5111	018	49	PO	GE	A	340	47
35278	0231	01734	WURZEN	5112	012	19	09	GE	R	1190	23
35280	0231	06807	STADTRODA	5011	051	22	08	GE	J	880	78
35290	0231	03102	ZEITZ	5112	031	13	05	GE		9300	780
35300	0231	04901	LANGENBERG THIESCHIT	5012	038	22	04	GE	J	394	54
35310	0231	00808	GERA	5012	008	13	05	GE		7250	1300
35320	0231	01969	ALTENBURG	5112		10	PO	GE			
35330	0231	01283	ALTENBURG	5012	016	13	05	GE		10338	1000
35340	0231	04494	CRIMMITSCHAU	5012	036	22	08	GE	J	1600	75

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TARGET NO.	S.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VI		COUNTRY CODE	TYPE	DES. OF. 1ST.	
	TAC CHART	TARGET		DES. SQUARE	DES. NO.					LENGTH IN FEET	WIDTH IN FEET
36058	0169	00571	ZULLICHAU SULECHOW	5215	015	22	09	PO	L	1509	18
36068	0169	01234	ZULLICHAU SULECHOW	5215		19	09	PO	B	330	18
36070	0169	00572	ZULLICHAU SULECHOW	5215		20	09	PO	B	1300	39
36080	0169	00526	CROSSN KROSNO ODRZNS	5215	031	19	09	PO	Q	536	42
36090	0169	01488	CROSSN KROSNO ODRZNS	5215		49	09	PO	A	766	48
36100	0231	01793	GRUENBG ZIELONA GORA	5115	048	13	05	PO		3400	1000
36110	0232	01172	GLOGAU GLOGOW	5115	044	13	05	PO		11000	1000
36120	0231	06403	SWIETOSZOW URBAN STR	5115		22	08	PO	J	300	
36130	0231	00248	KLATOVY	4913	009	13	05	CZ		3100	300
36140	0231	04111	SUSICE	4913	012	19	09	CZ	R	200	15
36178	0231	0.107	KLATOVICE	4913	023	19	09	CZ	S	250	15
36180C	0231		STRAKONICE	4913				CZ			
36190	0231	05069	PODOLSKO	4914	001	22	08	CZ	G	1690	28
36200	0231	02857	TABOR	4914		13	05	CZ		5000	450
36210	0231	03849	PLANA NAD LUZNICI	4914	015	38	09	CZ	C	480	15
36220G	0231		PROTIVIN	4914				CZ			
36248	0231	00718	CEKKE BUDEJOVICE	4814	004	19	09	CZ	R	480	18
36250	0231	04401	CEKKE BUDEJOVICE	4814	017	21	06	CZ	F	320	40
36260F	0231	00220	CEKKE BUDEJOVICE	4814				CZ			
36270F	0231		PISER	4914				CZ			
36300	0232	01061	WIEN STRASSHOF	4815	015	13	05	AU		8250	900
36310D	0232	00351	TULLN	4815	015	19	09	AU	O	1450	75
36325	0231	06192	LIMBERGESCHLEINZBACH	4815	048	22	09	AU	X	280	45
36335	0231	04073	NEULENGBACH	4815	009	41	09	AU	A	430	26
36348	0231	04071	HADERSDORF	4815	004	19	09	AU	Z	330	18
36350	0231	04411	SANKT POLTEN	4815	013	23	06	AU	E	470	47
36368	0231	00655	KREMS	4815	001	19	09	AU	R	2140	18
36378	0231	03530	ERLAUF (BRUNN)	4815	010	19	09	AU	M	278	17
36380	0231	04815	WINDEN	4815	012	20	09	AU	M	390	28
36398	0232	00451	DEVINSKACHRACHZEGG	4815		29	06	CZ			
364350	0231	00656	LINZ	4814	001	19	09	AU	G	1276	38
36470	0231	01748	LINZ	4814	009	22	08	AU	J	1000	100
36480F	0231		LINZ	4814				AU			
36490	0231	02852	GMUND	4814	011	13	05	AU		3200	700
36508	0231	03532	ENNS	4814	007	19	09	AU	R	830	25
36518D	0231	00654	MAUTHAUSEN	4814	031	19	09	AU	R	5100	30
36530	0231	02355	ENNS	4814	003	19	09	AU	G	870	29
36548	0231	01343	AMSTETTEN SOUTH	4814	010	22	09	AU	L	290	40
36550	0252	01298	KLAUS SOUTH	4714	041	19	09	AU	R	340	16
36568	0252	01298	GROSS REISSLING	4714	003	19	09	AU	R	191	10

TARGET ID	G.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VH		COUNTRY CODE	TYPE	DEL OF-TGT.	
	TAG CHART	TARGET		DEL SQUARE	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
4004C	0252	00580	PECS	4618	004	13	05	HU		4200	370
400500	0252	00150	BAJA	4618	001	19	09	HU	D	1870	35
400600	0252	00567	DUNAFOLDVAR	4618	002	19	09	HU	S	1720	32
400700	0252	00945	DUNAFOLDVAR	4618		19	09	HU	S	270	35
400800	0252	00573	GYORSZABADI	4717	001	19	09	HU	D	1170	40
400900	0252	00307	KOMAROM	4718	001	19	09	HU	R	1418	20
401000	0252	00585	KOMAROM	4718	007	19	09	HU	D	1350	20
4011C	0252	00587	CSORNA	4717	009	13	05	HU		4400	550
4012B	0252	00503	GYOR	4717	001	19	09	HU	R	350	25
4013C	0252	00882	MEGYESHALOM	4717		13	05	HU		9250	840
4014C	0252	00879	SCARDON	4716	004	13	05	HU		8700	600
4015C	0252	00878	SZOMBATHELY	4716	002	13	05	HU		6800	700
4017E	0252	00879	KECSEKMET	4619		10	P0	HU		4550	3610
4018E	0252	00987	KOMAROM	4718		10	P0	HU		1650	1400
4019C	0252	00997	PECS	4618		10	P0	HU		1000	650
4020E	0252	00999	SZEKESFEHERVAR	4718		10	P0	HU		4550	3900
4021E	0252	01862	SZEKESZARD BKS & HQ	4618		10	P0	HU			
4022E	0252	01000	SZOMBATHELY	4718		12	P2	HU			
4023E	0252	01810	TANASI ARMY BKS NO1	4618		10	P0	HU			
4024E	0252	00983	UTSZOREN	4718		12	P0	HU			
4024SD	0252	00284	BEOGRAD	4420	002	20	09	YU	P	2710	42
4025SD	0252	00307	NOVI SAD	4519		19	09	YU	R	1160	25
4026E	0252	02015	BJELOVAR ARMY BAS	4516		12	P2	YU			
4027SD	0252	01267	BOTOVO	4616	003	22	08	YU	J	1180	22
4028C	0252	00072	BROD	4518		13	05	YU		3700	740
4029SD	0252	00075	OSJEK	4518	010	19	09	YU	D	665	16
4030C	0252	00070	VINKOVCI	4518	004	13	05	YU		17300	800
4031E	0252	01077	CAKOVEC	4616		12	P2	YU			
4032B	0252	00051	DRAVOGRAD	4615	021	19	09	YU	R	549	17
4033C	0252	01329	KOPRIVNICA	4616	001	13	05	YU		3700	400
4034B	0252	00031	MARIBOR	4615	022	19	09	YU	S	349	45
4034E	0252	01073	MARIBOR CAV BKS	4615	008	12	P2	YU		1200	800
4036B	0252	00033	PETTAU PTUJ	4615		22	09	YU	L	722	25
4037D	0252	00058	PETTAU PTUJ	4615		29	06	YU	D	700	50
4038F	0252	01081	VARAZDIN ARMY BKS	4616	004	12	P2	YU			
4039E	0252	02013	BANJA LUKA	4417		12	P2	YU		2100	1600
4040C	0252		BANOVA JARUGA	4516		13	05	YU			
4051C	0252	00047	CELJE	4618	017	13	05	YU		2350	400
4052E	0252	02072	GOSPIC	4415		12	P2	YU			
4053E	0252	02002	JASTREBARSKO	4515		12	P2	YU			

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TARGET NO.	B.E. NUMBER		TARGET NAME	TAC. TARGET NO.		YH		COUNTRY CODE	TYPE	DES. OF TGT.	
	TAC CHART	TARGET		REG. SQUARE	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
4044C	0252	00463	KARLOVAC	4515		13	05	YU		4250	250
4045E	0252	02003	KNIN ARMY BKS SW	4416		12	02	YU			
4046E	0252	02009	NOVO MESTO	4515		12	02	YU		3600	2200
4047D	0252	00022	PODSUSED (ORES.E.)	4515	0.5	20	09	YU	P	720	23
4048C	0252	00140	SISAK	4515		13	05	YU			
4049C	0252		TREBNJE	4515		13	05	YU			
4040C	0252	00044	ZAGREB	4515	004	13	05	YU		3600	900
4041B	0252	00014	ZAGREB	4515	009	19	09	YU	S	500	35
4042D	0252	00048	ZAGREB	4515		23	06	YU	R	720	30
4043C	0252	0.553	ZINCANI MOST STEINER	4615	003	13	05	YU		1700	150
4064F	0252		BISCHOFIAK	4614		12	02	YU			
4065F	0252		DELNICE	4514		12	02	YU			
4066F	0252	01061	KRANJ ARMY BKS NW1	4614	001	12	02	YU			
4067F	0252		LJUBLJANA	4614		12	02	YU			
4068F	0252		LOGATEC	4514		12	02	YU			
4069F	0252		MATTUGLIE	4514		12	02	YU			
4070F	0252	02000	POSTUMIA (POSTOJNA NE	4514		12	02	YU			
4071F	0252	01996	RIJEKA ARMY BARRACKS	4514		12	02	YU			
4072F	0252		VILLA DEL NEVOZO	4514		12	02	YU			
4073F	0252	02080	VRHNJKA BKS NORTH	4514		12	02	YU			
4074C	0252	01327	BRUNNENFELING	4616	006	13	05	AU		2400	125
4075C	0252	01684	FRIEDBERG	4716		10	03	AU			
4076C	0252		GERSDORF JUNCTION	4615		48	00	AU			
4077C	0252	00355	KLAGENFURT	4614	006	13	05	AU		5000	
4078B	0252	00495	KNITTELFELD	4714	007	19	09	AU	R	365	18
4079D	0252	00744	LAVANNO	4614	018	22	08	AU	J	545	10
4081C	0252		ST VIET	4614		13	05	AU		1900	
4082C	0252		STEINHAUS	4715		13	05	AU			
4083C	0252	00488	WIENER NEUSTADT	4714	001	13	05	AU		6720	750
4084C	0252		WOLFSBERG	4614		13	05	AU			
4085C	0252	00700	BISCHOFSHOFEN	4713		13	05	AU		4500	500
4086C	0252		WIEFLAU	4714		13	05	AU		2000	
4087C	0252	00581	INNSBRUCK	4711		13	05	AU		3875	1080
4088B	0252	00678	LEOBEN	4715	012	19	09	AU	R	268	3
4089C	0252		PECHNOK (STEINACH)	4711		13	05	AU		2000	
4090C	0252	01744	SELZTHAL	4714	003	13	05	AU		4200	600
4091C	0252	00730	WORGEL	4712	008	13	05	AU		3780	850
4140E	0323	00275	TOLBUKHIN	4327		12	02	BU			
4141B	0322	00289	POLYANOVSKO KARMORAT	4226	001	19	09	BU	R	1800	44
4142C	0322	00411	POLYANOVSKO KARMORAT	4226		13	05	BU		8300	

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TARGET NO.	D.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN	COUNTRY CODE	TYPE	REL. OF. 167.	
	TAC. CHART	TARGET		DES. SQUARE	SEQ. NO.				LENGTH IN FEET	BWTH IN FEET
4193E	0322	00085	PLOVOIV	4214		10	00	BU		
4194C	0322	00414	DIMITROVGRAD RAKOVSK	4215	003	13	05	BU	3500	330
4195AC	0322	00083	MARIYSA	4216	001			BU		
4200B	0251	00796	RAMNICUL VALCEA	4217		19	09	BU	672	20
4201C	0251		CARACAL	4218		13	05	BU	2500	
4202C	0251	00084	COASUL SYALIN	4219		13	05	BU	4300	1750
4203C	0251	00167	PLOESTI/CENTRAL	4220		13	05	BU	13000	1500
4204B	0251	00200	COLIBASI	4221	002	19	09	BU	636	20
4205B0	0322	00521	GIURGIU	4222	004	20	09	BU	10560	40
4206B	0250	00312	SANNICUL SARA7	4223		19	09	BU	400	30
4207B	0251	00261	MIZRU	4224		49	00	BU	653	35
4208C	0250	00116	REDUTIA	4225	005	13	05	BU	3500	300
4209C	0250	00126	Galati	4226		13	05	BU		450
4210C	0250	00319	BRAILA	4227		13	05	BU	4400	300
4211C	0251	00157	CRATOVA	4228		13	05	BU	8000	300
4212B0	0251	00790	BRANISTEA	4229		22	08	BU		
4213C	0322	00435	VIDIN	4230		13	05	BU	2630	400
4214C	0250	00197	IASI	4231		13	05	BU		
4215C	0251	00625	BUZAU	4232		13	05	BU	10300	
4216B	0251	00179	PITESTI	4233		19	09	BU	830	20
4217C	0251	00114	BUCURESTI	4234		13	05	BU	15500	1450
4218B	0250	00117	CERNAVODA	4235	001	19	09	BU	5600	30
4219B	0250	00119	PETESTI	4236		23	06	BU	3500	30
4220C	0322	00286	MIS	4237		13	05	BU	4200	500
4221B	0322	00180	VRANJE	4238		19	09	BU	210	15
4222B	0322		VRANJE	4239	004	19	09	BU	18	14
4223B	0322		KUHANDVO	4240		12	02	BU		
4224B	0322	00171	SKOPJE	4241	003	19	09	BU	900	19
4225B0	0322	00636	GENIR KAPILA	4242		19	09	BU	960	18
4226B	0322	01014	STIM	4243		12	02	BU		
4227B	0322	00479	DETROLE	4244	002	23	06	AL	420	22
4228B	0322	00751	ELYASAN	4245		49	00	AL	592	18
4229B	0322	00871	WOLFE	4246		12	02	AL		
4230C	0322	00840	VLONG	4247		20	04	AL	400	20
4231C	0322	00110	KUYAISI	4248		13	05	AL	3700	
4232B	0322	00013	SANTRODIA	4249		38	00	UM	660	
4233C	0322	00132	SANTRODIA	4250	029	13	05	UM	3900	370
4234B	0322	00034	SANTRODIA	4251		19	09	UM	880	11
4235B	0322	00379	VEVLAKH	4252		40	00	UM	110	20
4236B	0322	00111	VEVLAKH	4253	004	10	04	UM	810	20

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TARGET NO.	D.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN		COUNTRY CODE	TYPE	DES. G. TGT.	
	SAC CHART	TARGET		DEG. SQUARE	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
4237	0340	00100	DZMULFA	3845		12	P2	UR			
4238C	0340	00001	NAKICHEVAN	3945		13	05	UR		4000	140
4239F	0324	00179	AKHALTSIKHE	4142		12	P2	UR			
4240H	0325	00449	SHAGAL	4044		19	09	UR	R	195	15
4241C	0325	00387	LENINAKAN	4043	011	13	05	UR		3700	300
4242D	0340	00090	DZMULFA	3845		18	09	UR	T	450	30
4243C	0340		KHOI	3844	001	49	P0	UR	A	200	15
4244D	0339	00037	MIANDOW	3646	001	22	08	UR	J	460	30
4245RD	0340	00066	DZMULFA	3845				UR			
4246B	0339	00050	MIANEH	3747	004	49	P0	UR	B	685	20
4247D	0340	00047	RAWANDUZ	3644		20	09	UR	P	140	12
4248C	0340	00033	IRBIL	3643		20	09	UR	P	500	20
4249D	0340	00070	AL KAWSIL	3643	006	20	09	UR	P	1029	26
4250F	0427	00075	ALTUN KUPRI	3544	006	19	09	UR	R	780	16
4251C	0427	00034	ALTUN KUPRI WEST	3544	074	20	09	UR	P	380	22
4252PD	0427		FAOURAH	3344	028			UR		497	12
4253D	0427	00034	AL FALLUJAH	3343	003	19	09	UR	O	910	15
4254C	0340	00020	MOSUL	3643		13	05	UR		4225	1025
4255D	0427	00037	DAYR AZ ZAWR	3540	002	21	06	SY	F	1400	20
4256D	0340	00042	AL HASAKAH	3640	001	20	09	SY	P	300	15
4257D	0427	00032	AR RAQQAH	3539	001	22	08	SY	J	2045	30
4258C	0341	00182	HALAB	3637	003	13	05	SY		2605	200
4259F	0426		DAMAS KADEM	3336		12	P2	SY			
4260F	0426	00199	HOMS	3436	009	12	P2	SY			
4261B	0341		HURA DARA VIADUCT	3636	001	19	09	SY	R	1272	15
5000A	0252	08052	SZEKESFEHEVAR	4718	035	11	02	HU	P1	6000	200
5001A	0251	08084	TAPIOSZENTMARTON	4719	002	11	02	HU	N1	7000	1100
5002A	0251	08629	LUNA	4623		11	02	RU	P1	6500	
5003A	0251	08052	BATAJNICA	4420	005	11	02	YU	P1	8700	150
5004A	0251	08275	BEOGRAD SURCIN	4420		11	02	YU	P1	8200	700
5005A	0251	08070	BEOGRAD/ZEMIN	4420	031	11	02	YU	P1	5250	260
5006A	0252	08032	CERKLJE	4515	001	11	02	YU	P1	8200	160
5007A	0321	08062	MOSTAR KOSOR	4317	002	11	02	YU	P1	8200	160
5008A	0252	08031	PLESO	4516	001	11	02	YU	P1	8200	170
5009A	0252	08025	PULA	4413	001	11	02	YU	P1	8200	150
5010A	0251	08005	SOMBOR	4519	002	11	02	YU	P1	8300	220
5011A	0252	08095	TUZLA	4418	001	11	02	YU	P1	8200	160
5012A	0252	08070	ZEMUNIK	4415	001	11	02	YU	P1	8200	160
5013A	0252	08070	GRAZ	4615	002	11	02	AU	P1	4920	150
5014A	0252	08049	INNENRICK WEST	4711	002	11	02	AU	P1	6250	136
5015A	0252	08060	KLAGENFURT	4616	001	11	02	AU	P1	6740	148

TARGET ID	R.E. NUMBER		TARGET NAME	TAC TARGET NO.		VH		COUNTRY CODE	TYPE	DEL OF TGT.	
	TAC CHART	TARGET		DEG. SQUARE	SEQ. NO.					LENGTH IN FEET	WIDTH IN FEET
51198	0249	08229	OSIPENKO	4636	001	11	02	UR	P1	6600	400
51204	0233	08057	PERVOMAYSK	4630	002	11	02	UR	P1	7800	1500
51214	0250	08603	PESCHANYE	4433	011	11	02	UR	P1	6100	150
51224	0249	08251	ROSTOV NW	4734	001	11	02	UR	P1	6600	500
51234	0324	08634	SANTREDIA NORTH	4242	001	11	02	UR	P1	6000	250
51244	0250	08714	SEVASTOPOL KHERSONES	4433	011	11	02	UR	P1	6100	175
51254	0250	08007	SIMFEROPOL	4434	004	11	02	UR	P2	5600	200
51264	0250	08717	SIMFEROPOL NORTH	4533	007	11	02	UR	P1	7800	400
51268	0234	08076	DONETSK STALINO	4837		11	02	UR	P1	6600	400
51294	0249	08271	TARANOS NW	4737	001	11	02	UR	P1	6600	400
51304	0325	08713	TBILISI SOGANLUG	4144	009	11	02	UR	P1	6000	270
51314	0249	08071	TIKHORETSK	4540	003	11	02	UR	P1	7500	200
51324	0325	08745	TSITELU TSKARO	4146		11	02	UR	P1	6600	400
51334	0233	08111	VAPNYARCA	4628		11	02	UR	P1	3200	400
51344	0325	08749	VERKHNE KEDI	4146	006	11	02	UR	P1	7000	450
51354	0250	08766	VORONKOVO	4729	003	11	02	UR	P1	6600	400
51364	0250	08737	VOZNESENSK	4731	001	11	02	UR	P1	6600	465
51374	0233	08086	YARNOLINTSY	4926		11	02	UR	P1	4000	240
51384	0325	08721	YEREVAN	4044		11	02	UR	P1	7400	165
51394	0249	08295	YEYSK	4638	004	11	02	UR	P1	6600	400
51404	0249	08302	ZAPOROZHYE EAST	4735	016	11	02	UR	P1	7000	400
51414	0322	08055	NTS	4321	002	11	02	UR	P1	4450	150
51424	0322	08057	PETROVAC	4121	002	11	02	UR	P1	6200	150
51434	0322	08085	TITOGRAD NEW	4219	003	11	02	UR	P1	6200	150
51444	0444	08000	ABADAN	3048	001	11	02	IR	P2	4000	195
51454	0428	08002	HAMADAN	3448	001	11	02	IR	P2	5400	150
51464	0428	08003	ESFAHAN	3251	001	11	02	IR	P2	11400	150
51474	0429	08005	KERMANSHAN	3447	001	11	02	IR	P2	6000	100
51484	0339	08201	TAHRIZ	3846	005	11	02	IR	P2	6200	150
51494	0428	08001	TEHRAN DOSMAN TADREN	3551	005	11	02	IR	P2	5445	150
51504	0428	08011	TEHRAN MEHRALIRO	3551	006	11	02	IR	P1	10000	217
51514	0428	08010	TEHRAN GALEH MURGEN	3551	007	11	02	IR	P1	6000	150
51524	0427	08013	RASHID	3344	013	11	02	IR	P3	9000	160
51534	0427	08003	BIGHOAD WEST	3344	001	11	02	IR	P2	7000	150
51544	0445	08002	BASRA	3047	001	11	02	IR	P2	6000	150
51554	0427	08007	HABBIANIYA	3343	001	11	02	IR	P1	6300	150
51564	0427	08023	HABBIANIYA PLATEAU	3343	004	11	02	IR	P3	4000	150
51574	0427	08009	K I	3544	001	11	02	IR	P2	8000	150
51584	0427	08022	KIRKUK MILITARY	3544	004	11	02	IR	P2	9000	165
51594	0340	08214	NOHA	3643	002	11	02	IR	P2	7180	400

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The information contained in this document shall not be disclosed to foreign elements of this Government.

TOP SECRET

TOP SECRET

TARGET NO.	S.E. NUMBER		TARGET NAME	TAC. TARGET NO.		VN		COUNTRY CODE	TYPE	DES. OF TGT.	
	SAC CHART	TARGET		DES. SQUARE	SEQ. NO.					LENGTH IN FEET	BWTH IN FEET
1604	0445	08003	SHATRAN	3047	002	11	02	10	P1	4300	150
1614	0341	08002	ALEPPO	2837	004	11	02	SY	P2	7450	150
1624	0426	08000	DANASCUS	3336	007	11	02	SY	P2	9370	195
1634	0427	08000	DEIR E ZOR	3540	005	11	02	SY	P2	2500	170
1644	0426	08050	DUMAYR	3734	020	11	02	SY	P1	8200	150
1654	0426	08005	HAMA	3934		11	02	SY	P3	5400	400
1664	0341	08006	HASIN EL ABLOD	3637	008	11	02	SY	P1	6700	
1674	0426	08028	SANL ES SAHRA	3336	011	11	02	SY	P2	6000	150
1684	0447	03012	AHU SUWEIR	3032		11	02	EG	P3	4750	150
1694	0447	08015	CAIRO ALMAZA	3031	002	11	02	EG	P3	6680	160
1704	0447	08016	CAIRO INTERNATIONAL	3031	003	11	02	EG	P2	10800	197
1714	0447	08018	CAIRO WEST	3030	001	11	02	EG	P2	9600	150
1724	0446	08002	DEKHEILA	3129	020	11	02	EG	P2	5000	140
1734	0447	08020	EL ARISH	3123	001	11	02	EG	P3	8200	190
1744	0447	08024	EL MANSUBA	2031	059	11	02	EG	P1	9000	120
1754	0447	08022	FAYID	3032	005	11	02	EG	P1	8900	150
1764	0447	08044	GEBEL LIBNI	3033	004	11	02	EG	P3	8500	110
1774	0344	08009	MURCHADA NEW	2733	001	11	02	EG	P2	8500	115
1784	0447	08025	INCHAS	3031	005	11	02	EG	P3	8100	120
1794	0447	08027	KABRIT	3032	007	11	02	EG	P2	8750	150
1804	0447	08061	KAFR DAUD	3030	013	11	02	EG	P2	9000	150
1814	0544	08001	LUXOR	2532	001	11	02	EG	P2	6850	150
1824	0322	00268	DUPRES	4119	001	16	00	AL		5900	2790
1834	0343		FORT PALERMO	4018		16	00	AL			
1844	0343	00181	SARANDI	3920	001	16	00	AL			
1854	0322	00236	SAZAN	4019		16	00	AL			
1864	0322	00258	SHENGJIN	4119		16	00	AL			
1874	0322	00387	VLONE	4019		16	00	AL			
1884	0252		CITTANOVA	4513		16	00	YU			
1894	032	00033	DUBROVNIK RAGUSA	4218		16	00	YU			
1904	0252	01926	KRALJEVICA	4514		16	00	YU			
1914	0252		LUSSINPICCOLO	4414		16	00	YU			
1924	0252		PIRANO	4513		16	00	YU			
1934	0252	00270	PULA POLA	4413		16	00	YU			
1944	0252	00187	RIJEKA FLUME	4514		16	00	YU			
1954	0252	00903	ROVINJ KROVIGNO	4513		16	00	YU			
1964	0252		SENIKSENY	4414		16	00	YU			
1974	0321	00144	SIMENIK SEBENICO	4515		16	00	YU			
1984	0321	00116	SPLIT SPALATO	4316		16	00	YU			
1994	0252	00629	ZADAR	4418		16	00	YU			

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TOP SECRET

TARGET NO	TYPE	GEO. COORDS						UTM GRID COORDS				MIN. CHAR. GRID		DCI ELEVATION	P.V. ANALYSIS REFERENCE	
		LAT. - NORTH			LONG. - EAST						SPHEROID					
		DEG	MIN	SEC	DEG	MIN	SEC									
1251D	A	25	35	41.	44	00	08.	41U	NZ	2173	2778	CLK				C427 4 7MA
1251D	C	25	35	41.	44	00	08.	41U	NZ	2173	2778	CLK				C427 4 7MA
1253D	A	32	14	43.	34	30	05.						500	740	145	TTI K 59
1253D	C	32	14	43.	34	30	05.						500	740	145	TTI K 59
1253D	A	32	21	02.	43	10	27.		NO	6485	6144	CLK				C427 19 6MA
1253D	C	32	21	02.	43	10	27.		NO	6485	6144	CLK				C427 19 6MA
1254C	A	35	19	35.	43	07	12.						530	V93		C340 9214 25MA
1254C	C	35	19	35.	43	07	12.						530	V93		C340 9214 25MA
1255D	A	35	20	51.	40	09	20.	41U	NA	5973	9149	CLK			550	C427 1 15A
1255D	C	35	20	51.	40	09	20.	41U	NA	5973	9149	CLK			550	C427 1 15A
1256D	A	36	20	12.	40	44	35.	37S	FA	561	413	INT			1000	C340 22AL
1256D	C	36	20	12.	40	44	35.	37S	FA	561	413	INT			1000	C340 22AL
1257D	A	35	28	13.	39	00	44.		GZ	6056	6200	CLK			775	C427 1 1A
1257D	C	35	28	13.	39	00	44.		GZ	6056	6200	CLK			775	C427 1 1A
1258C	A	36	13	10.	37	09	11.	37S	CA	3399	0993	INT			1220	C341 24 11MA
1258C	C	36	13	24.	37	09	23.	37S	CA	3429	1036	INT			1220	C341 24 11MA
1259F	A	33	29	.	36	18	.									50426 19 1MA
1259F	C	33	29	.	36	18	.									50426 19 1MA
1260F	A	34	42	38.	36	42	24.	37S	HU	8994	4340	INT				0426 9 10A
1260F	C	34	42	38.	36	42	24.	37S	HL	8994	4340	INT				0426 9 10A
1261B	A	34	42	25.	36	38	25.						052	057	1666	TTI 2 53
1261B	C	34	42	25.	36	38	25.						052	057	1666	TTI 2 53
5000A	A	47	05	50.	18	24	58.	34T	CT	0408	2489	INT			300	0252 10 3MA
5000A	C	47	05	50.	18	24	58.	34T	CT	0408	2489	INT			390	0252 10 3MA
5001A	A	47	18	33.	19	46	35.	34T	PT	0751	4037	INT			400	0251 1 14MA
5001A	C	47	18	33.	19	46	35.	34T	PT	0751	4037	INT			400	0251 1 14MA
5002A	A	46	30	29.	23	53	00.	34T	GS	2121	5468	INT				0251 9 13MA
5002A	C	46	30	29.	23	53	00.	34T	GS	2121	5468	INT				0251 9 13MA
5003A	A	44	15	20.	20	15	09.	34T	OG	4100	7651	INT			255	0251 16 16MA
5003A	C	44	15	33.	20	15	06.	34T	OG	4096	7692	INT			265	0251 16 16MA
5003A	A	44	15	52.	20	15	54.	34T	OG	4199	7565	INT			265	0251 16 16MA
5003F	U	44	15	20.	20	15	09.	34T	OG	4100	7651	INT			265	0251 16 16MA
5004A	A	44	49	11.	20	18	01.	34T	OG	4066	6329	INT			330	0251 16 16MA
5004A	C	44	49	21.	20	18	08.	34T	OG	4481	6319	INT			330	0251 16 16MA
5004A	U	44	49	11.	20	18	01.	34T	OG	4066	6329	INT			330	0251 16 16MA
5005A	A	44	48	54.	20	24	03.	34T	OG	5262.	6267.	INT	...	...	243	0251 16 16MA
5005A	C	44	48	54.	20	24	17.	34T	OG	5273.	6242.	INT	...	...	243	0251 16 16MA
5005A	U	44	48	54.	20	24	03.	34T	OG	5262.	6267.	INT	...	...	243	0251 16 16MA
5006A	F	45	53	58.	15	31	42.	33T	AL	4100	8310	INT			510	0252 13 12MA
5006A	C	45	54	02.	15	31	51.	33T	WL	4119	8329	INT			510	0252 13 12MA

TOP SECRET

TARGET NO.	TYPE BURST	GEO. COORDS						UTM GRID COORDS				SPHEROID	MIL. CHAR. GRID		66Z ELEVATION	P.V. ANALYSIS REFERENCE
		LAT. - NORTH			LONG. - EAST											
		DEG	MIN	SEC	DEG	MIN	SEC									
5155A	C	33	20	37.	43	35	32.		VO	1919	6083	CLK			265	0427 19 6MA
5157A	A	35	20	46.	44	17	22.	41U	NZ	3545	0005	CLK			1001	0427 4 12MA
5157A	C	35	20	46.	44	17	22.	41U	NZ	3545	0005	CLK			1001	0427 4 12MA
5158A	A	35	28	01.	44	21	28.						F34	T75	1000	TT1 5 61
5158A	C	35	28	03.	44	21	21.						F49	U02	1000	TT1 5 61
5158A	U	35	28	01.	44	21	28.						F34	T75	1000	TT1 5 61
5159A	A	36	18	18.	43	08	44.		YK	8895	2248		G49	T26	780	50340 8214 25MA
5159A	C	36	18	18.	43	08	44.		YK	8895	2248		G59	T26	780	50340 8214 25MA
5160A	A	30	25	18.	47	38	26.			5349	3873	CLK			64	50445 10 15MA
5160A	C	30	25	23.	47	38	26.			5351	3902	CLK			64	50445 10 15MA
5160A	U	30	25	18.	47	38	26.			5349	3873	CLK			64	50445 10 15MA
5161A	A	36	10	58.	37	13	05.						G20	T28	1280	TT1 L 61
5161A	C	36	10	58.	37	13	05.						G20	T28	1280	TT1 L 61
5162A	A	33	28	52.	36	13	41.			9562	7087	CLK				0426 19 1MA
5162A	C	33	28	43.	36	13	30.			9533	7062	CLK				0426 19 1MA
5162A	K	33	28	51.	36	13	54.			9594	7084	CLK				0426 19 1MA
5162A	U	33	28	52.	36	13	41.			9562	7087	CLK				0426 19 1MA
5163A	A	35	19	31.	40	09	23.	41U	NA	5966	H900	CLK			820	0427 1 16A
5163A	C	35	19	31.	40	09	23.	41U	NA	5966	H900	CLK			820	0427 1 16A
5164A	A	33	37	43.	36	44	02.			4272	H500				2057	0426 14 14MA
5164A	C	33	37	43.	36	44	02.			4272	H500				2057	0426 14 14MA
5165A	A	35	07	04.	36	42	34.	375	BU	9152	H873	INT			1014	0426 9 2A
5165A	C	35	07	08.	36	42	34.	375	BU	9152	H873	INT			1014	0426 9 2A
5166A	A	36	11	02.	37	35	03.						G00	U00	1207	TT1 7 60
5166A	C	36	11	10.	37	35	06.						G25	L90	1207	TT1 7 60
5166A	U	36	11	02.	37	35	03.						G00	U00	1207	TT1 7 60
5167A	A	33	33	38.	36	10	26.			9071	7978				2920	0426 18 4MA
5167A	C	33	33	38.	36	10	26.			9071	7978				2920	0426 18 4MA
5168A	A	30	34	19.	32	05	54.			72010	87378				49	50447 7 15MA
5168A	C	30	34	19.	32	05	54.			72010	87378				49	50447 7 15MA
5168A	K	30	34	17.	32	06	16.			72070	87379				49	50447 7 15MA
5169A	A	30	05	45.	31	21	34.			64938	82053				303	50447 12 5MA
5169A	C	30	05	35.	31	21	40.			64952	82020				303	50447 12 5MA
5169A	K	30	05	31.	31	21	24.			64911	82010				303	50447 12 5MA
5169A	U	30	05	45.	31	21	34.			64938	82053				303	50447 12 5MA
5170A	A	30	07	53.	31	24	19.			65376	82452				311	50447 12 5MA
5170A	C	30	07	57.	31	23	50.			65300	82462				311	50447 12 5MA
5170A	K	30	07	52.	31	24	40.			65429	82449				311	50447 12 5MA
5170A	U	30	07	53.	31	24	19.			65376	82452				311	50447 12 5MA
5171A	A	30	06	51.	30	34	50.			60642	82251				490	50447 11 5MA

TOP SECRET

TARG. ID NO.	TYPE	GEO. COORDS						UTM GRID COORDS				MIL. CHAR. GRID		PSZ ELEVATION	P.V. ANALYSIS REFERENCE			
		LAT. - NORTH			LONG. - EAST			Easting	Northing	Zone	Spheroid	MGRS	MGRS		MGRS	MGRS		
		DEG	MIN	SEC	DEG	MIN	SEC											
4229	C	42	37	.	20	47	.	347	OK	8169	9432	INT				50322 22 1NA		
42300	A	40	34	06.	19	27	43.	347	OK	6997	9942	INT				0322 21 2NA		
42300	C	40	34	06.	19	27	43.	347	OK	6992	9942	INT				0322 21 2NA		
42310	A	42	15	34.	42	42	53.	397	LN	1150	8126	INT				0324 15 52NA PROV		
42310	C	42	15	36.	42	42	53.	397	LN	1150	8126	INT				0324 15 52NA PROV		
42320	C	42	07	11.	42	20	01.	367	KH	7957	6659	INT	006	V12		0324 15 102NA PROV		
42330	A	42	09	41.	42	20	45.	387	KH	8075	7119	INT	062	X52	60	0324 15 102NA		
42330	C	42	07	41.	42	20	46.	387	KH	8075	7119	INT	062	X52	60	0324 15 102NA		
42348	A	42	07	13.	42	19	51.	387	KH	7934	6666	INT	095	V16		0324 15 102NA PROV		
42348	C	42	07	13.	42	19	51.	387	KH	7934	6666	INT	095	V16		0324 15 102NA PROV		
42350	A	40	37	09.	47	11	03.	387	PK	8479	9991	INT				0325 23 3NA		
42350	C	40	37	09.	47	11	03.	387	PK	8479	9991	INT				0325 23 3NA		
42368	A	40	37	13.	47	11	02.	387	PK	8443	9998	INT	...	...	26	0325 23 3NA		
42368	C	40	37	13.	47	11	02.	387	PK	8443	9998	INT	...	...	26	0325 23 3NA		
4237	A	38	54	.	45	38	.	385	NJ	5495	0599	INT				0340 10 7NA		
4237	C	38	54	.	45	38	.	385	NJ	5495	0599	INT				0340 10 7NA		
42380	A	29	11	25.	45	24	06.	385	NJ	3470	3802	INT				0340 10 3NA		
42380	C	29	11	25.	45	24	06.	385	NJ	3470	3802	INT				0340 10 3NA		
4239	A	41	35	.	42	58	.					L25	025			0324 15 242NA		
4239	C	41	35	.	42	58	.					L25	025			0324 15 242NA		
4240	A	40	52	49.	48	38	09.	387	NJ	5510	2563	INT				USATM 0325 16 16NA		
4240	C	40	52	49.	48	38	09.	387	NJ	5510	2563	INT				USATM 0325 16 16NA		
42410	A	40	47	19.	43	51	09.	387	NJ	0389	1895	INT	...	...	5000	0325 21 3NA		
42410	C	40	47	19.	43	51	09.	387	NJ	0389	1895	INT	...	...	5000	0325 21 3NA		
42420	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42420	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT	046	052	3500	TT: 3 55		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				50339 16 13NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				50339 16 13NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	A	38	52	51.	45	37	58.	385	NJ	5475	1123	INT				0340 10 7NA		
42430	C	38	52	51.	45	37	58.	385	NJ</									